

FIG. 1

(NETWORK COMMUNICATION SYSTEM)

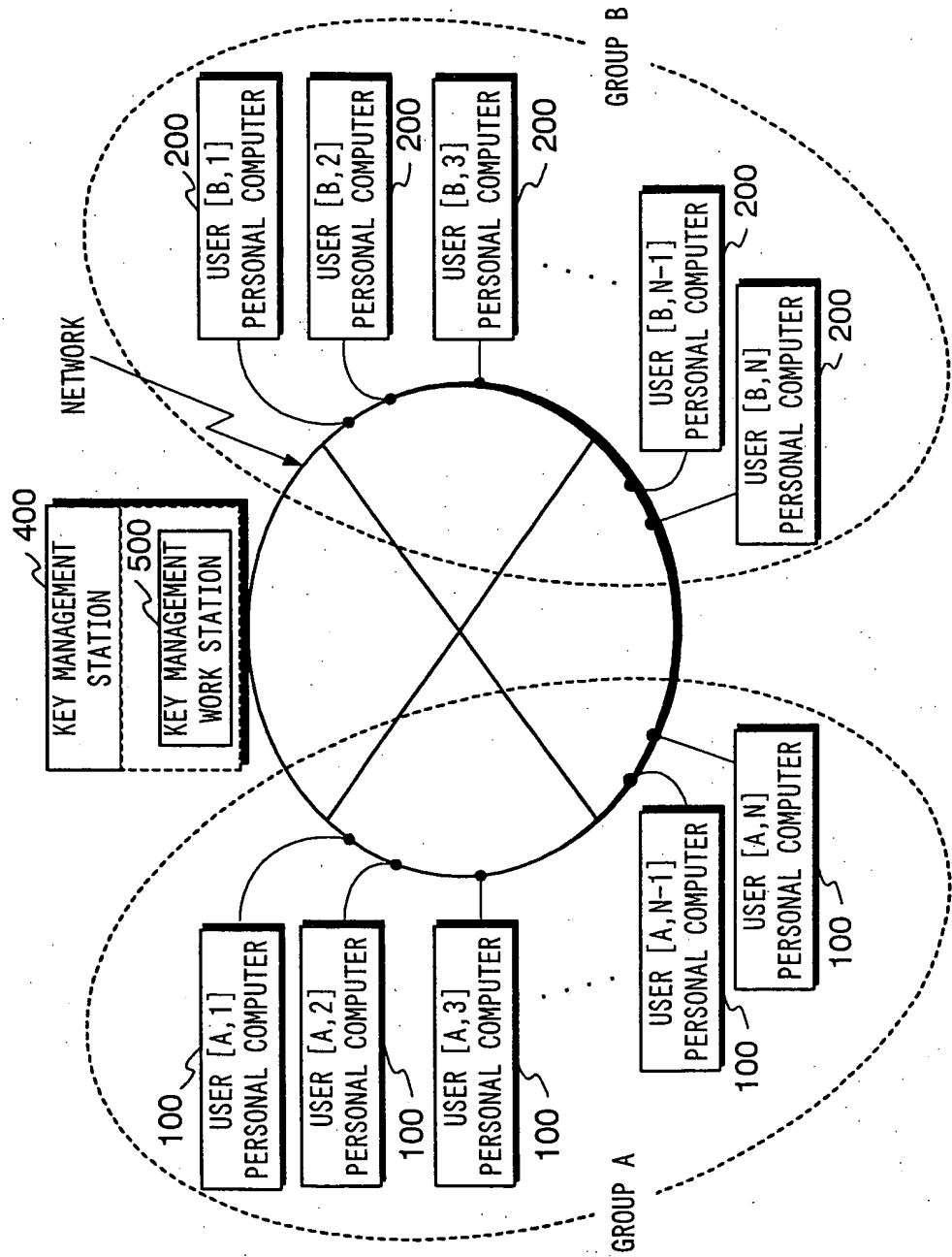


FIG. 2

(SOFTWARE FUNCTION OF NETWORK COMMUNICATION SYSTEM)

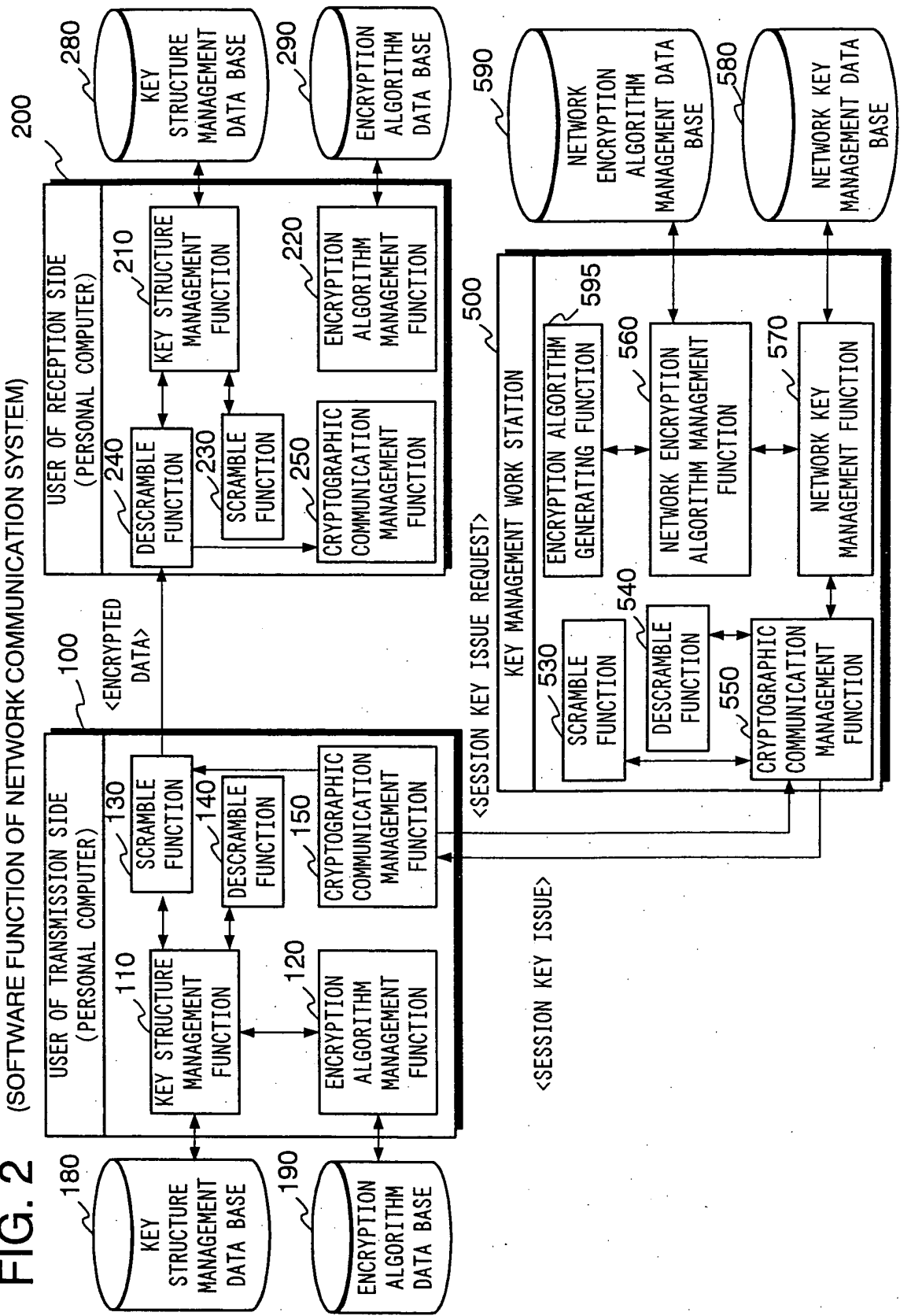


FIG. 3A

NETWORK ENCRYPTION ALGORITHM MANAGEMENT DATA BASE

USER ID	ENCRYPTION ALGORITHM NAME	ENCRYPTION ALGORITHM VERSION	UPDATING DATE
KEY MANAGEMENT STATION ID	ENCRYPTION ALGORITHM NAME	ENCRYPTION ALGORITHM VERSION	UPDATING DATE

FIG. 3B

NETWORK KEY MANAGEMENT DATA BASE

USER ID	ENCRYPTION ALGORITHM NAME	ENCRYPTION ALGORITHM VERSION	KEY INFORMATION	UPDATING DATE
KEY MANAGEMENT STATION ID	ENCRYPTION ALGORITHM NAME	ENCRYPTION ALGORITHM VERSION	KEY INFORMATION	UPDATING DATE

FIG. 4A

ENCRYPTION ALGORITHM MANAGEMENT DATA BASE

ENCRYPTION ALGORITHM NAME	ENCRYPTION ALGORITHM VERSION	UPDATING DATE
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FIG. 4B

KEY STRUCTURE MANAGEMENT DATA BASE

ENCRYPTION ALGORITHM NAME	ENCRYPTION ALGORITHM VERSION	USER KEY INFORMATION	UPDATING DATE
ENCRYPTION ALGORITHM NAME	ENCRYPTION ALGORITHM VERSION	KEY INFORMATION OF KEY MANAGEMENT STATION	UPDATING DATE

FIG. 5
(OUTLINE OF ENCRYPTION ALGORITHM CONVERSION)

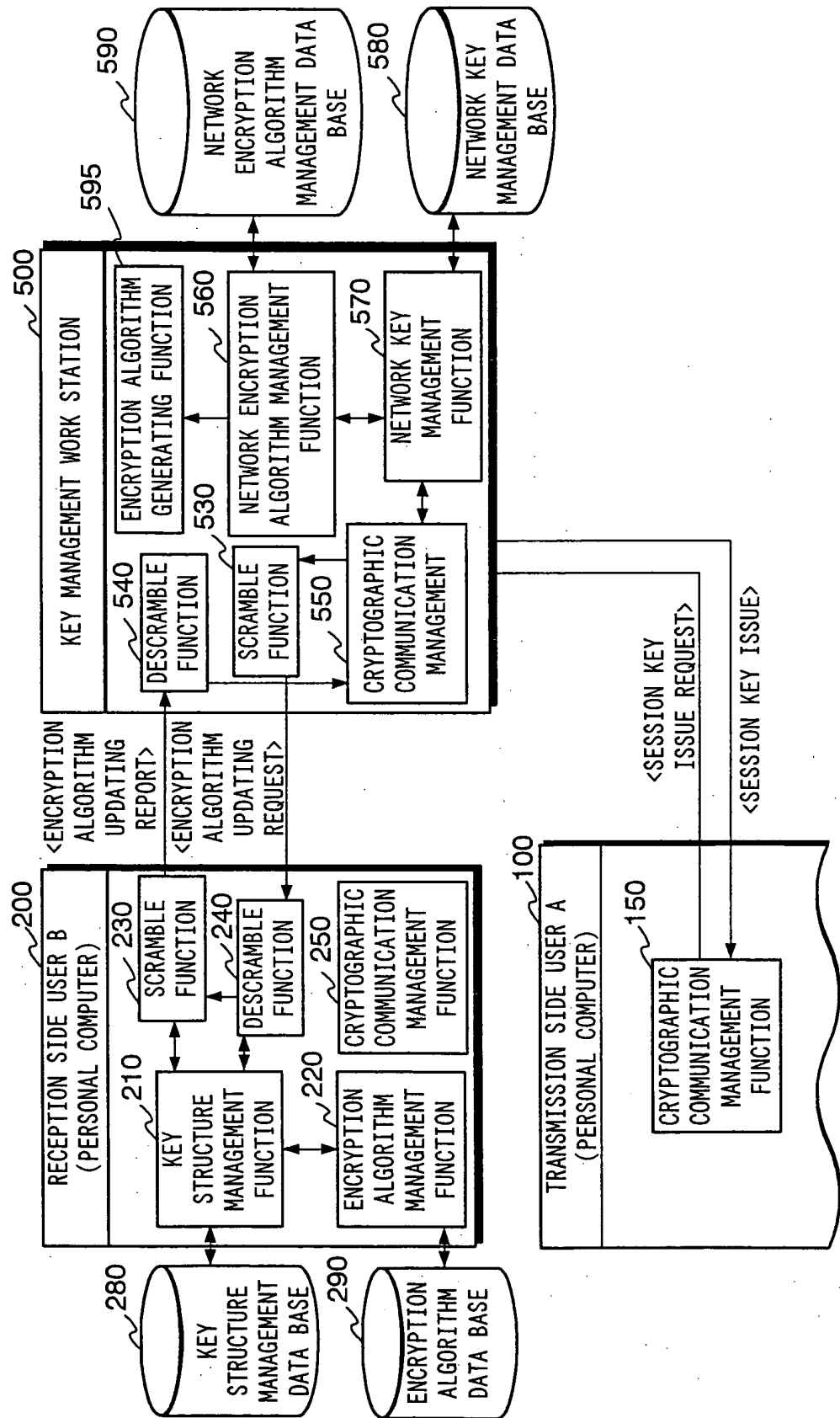


FIG. 7

(CRYPTOGRAPHIC COMMUNICATION BY COMMON KEY CIPHER)

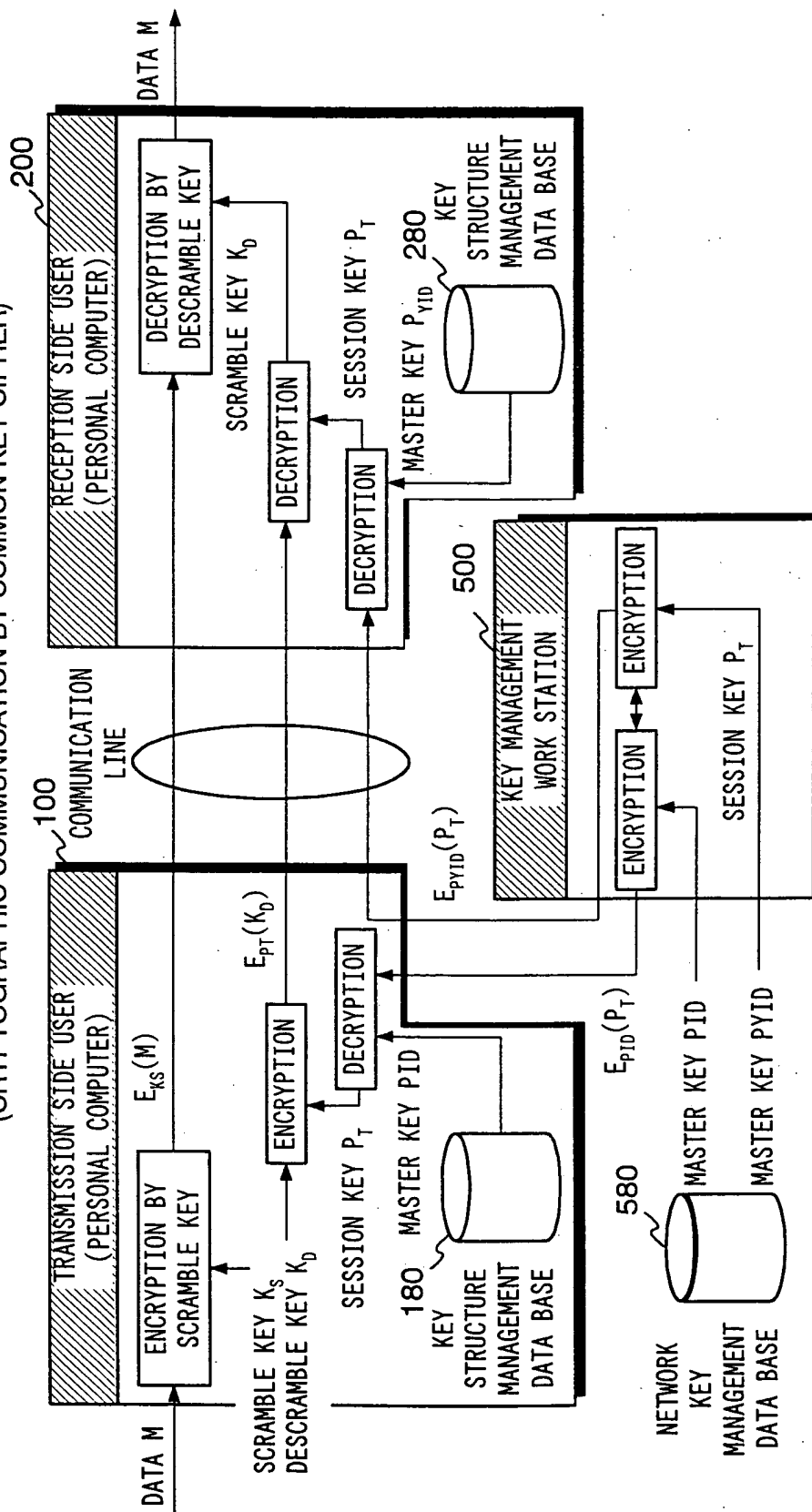


FIG. 8

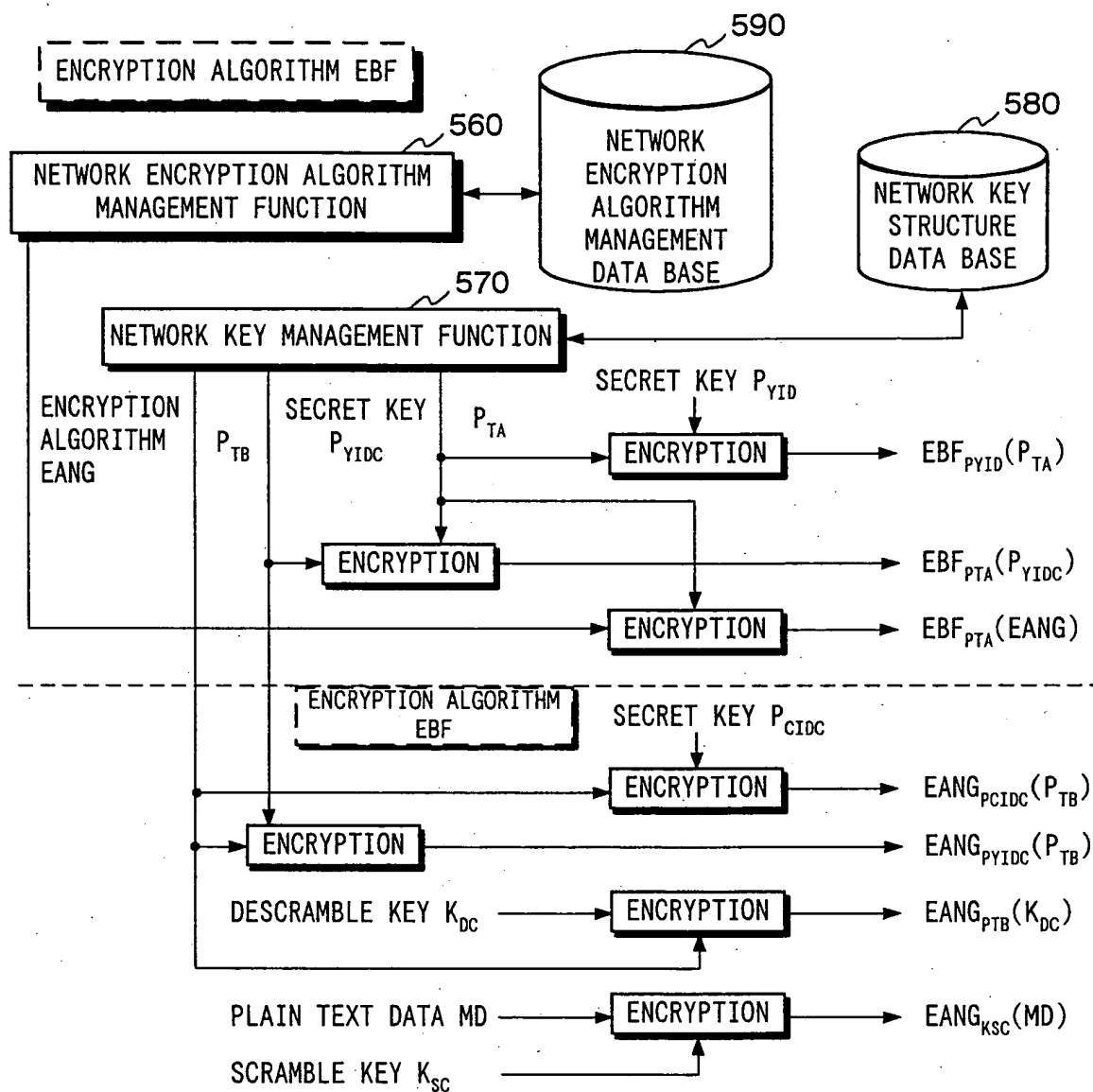


FIG. 9

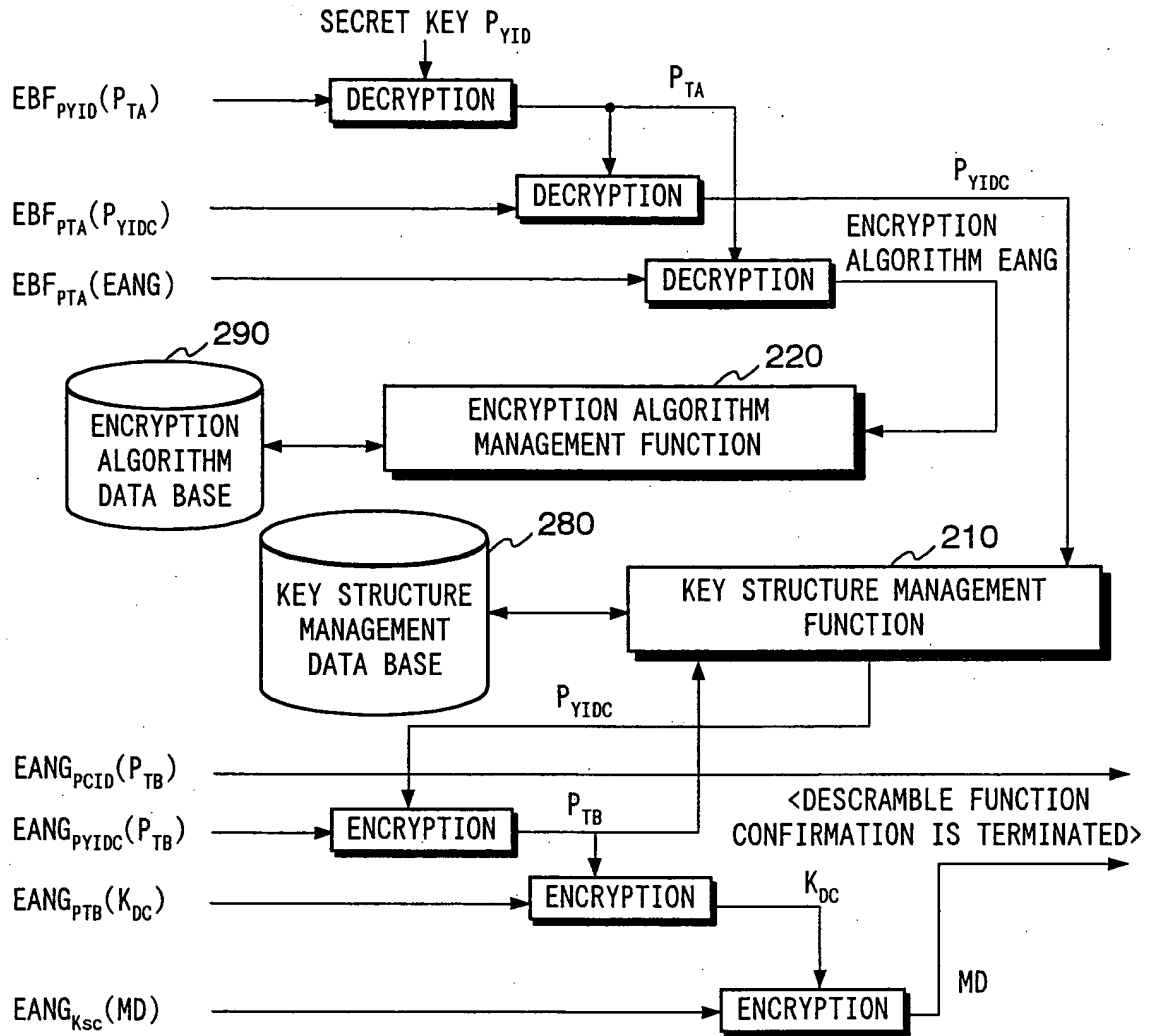
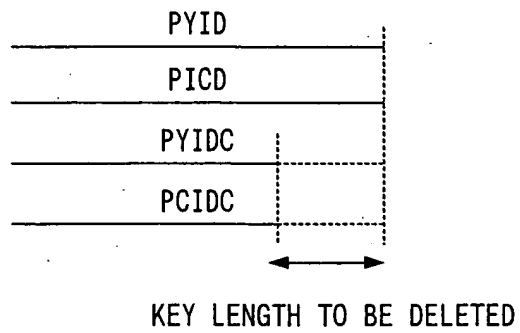
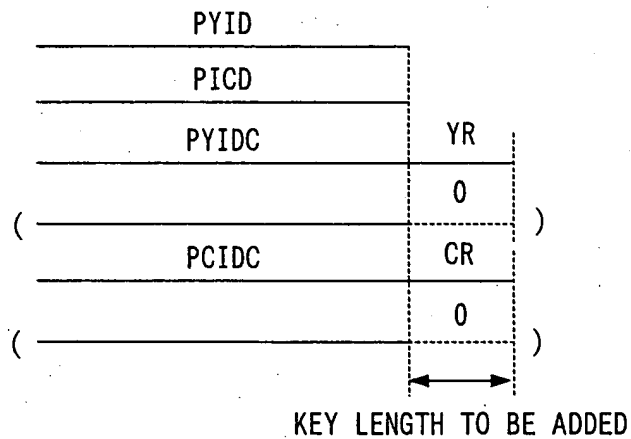


FIG. 10A



CASE WHERE THE KEY LENGTH IS SHORTENED

FIG. 10B



CASE WHERE THE KEY LENGTH IS PROLONGED

FIG. 11

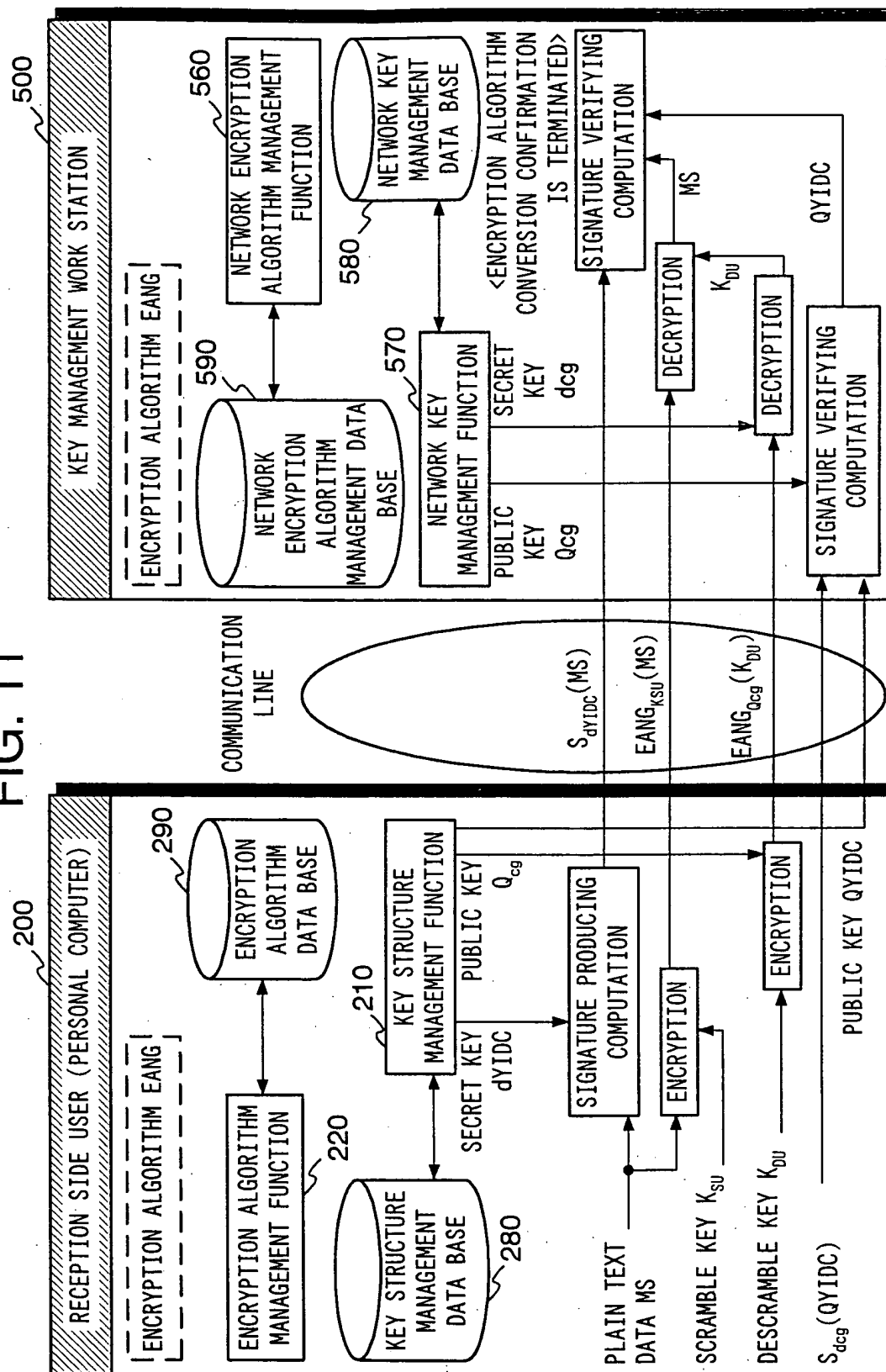


FIG. 12

(CRYPTOGRAPHIC COMMUNICATION BY PUBLIC KEY CIPHER)

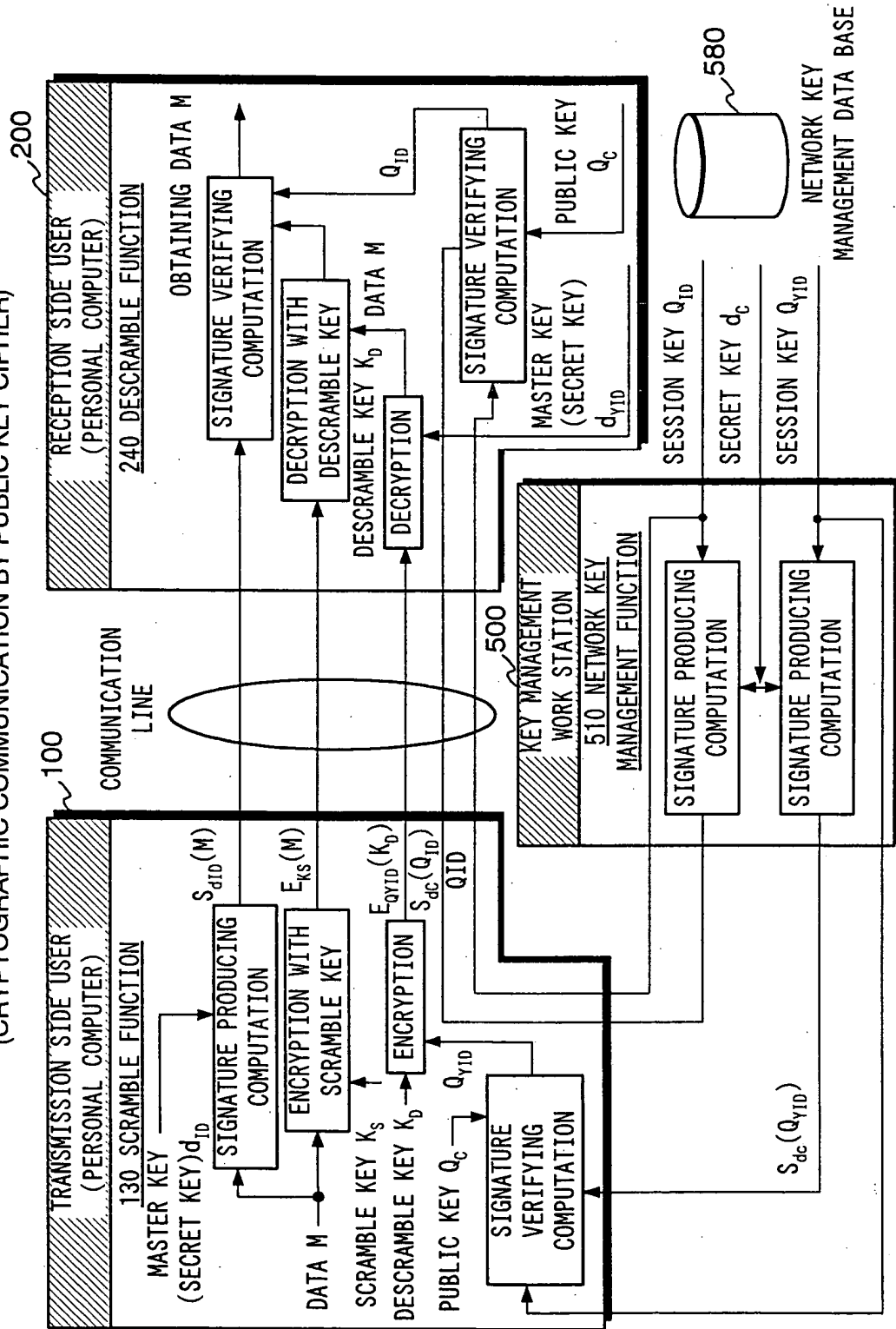


FIG. 13

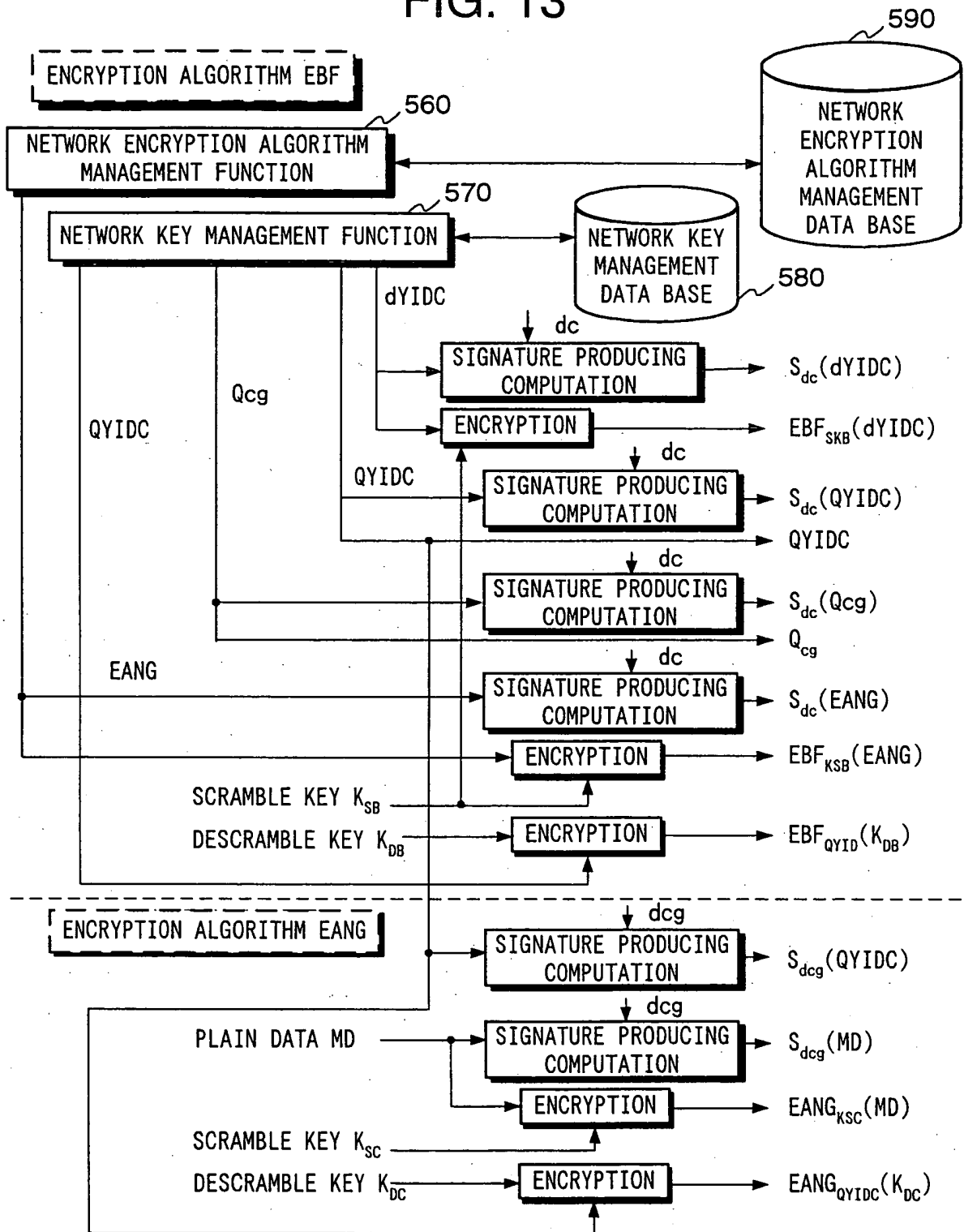


FIG. 14

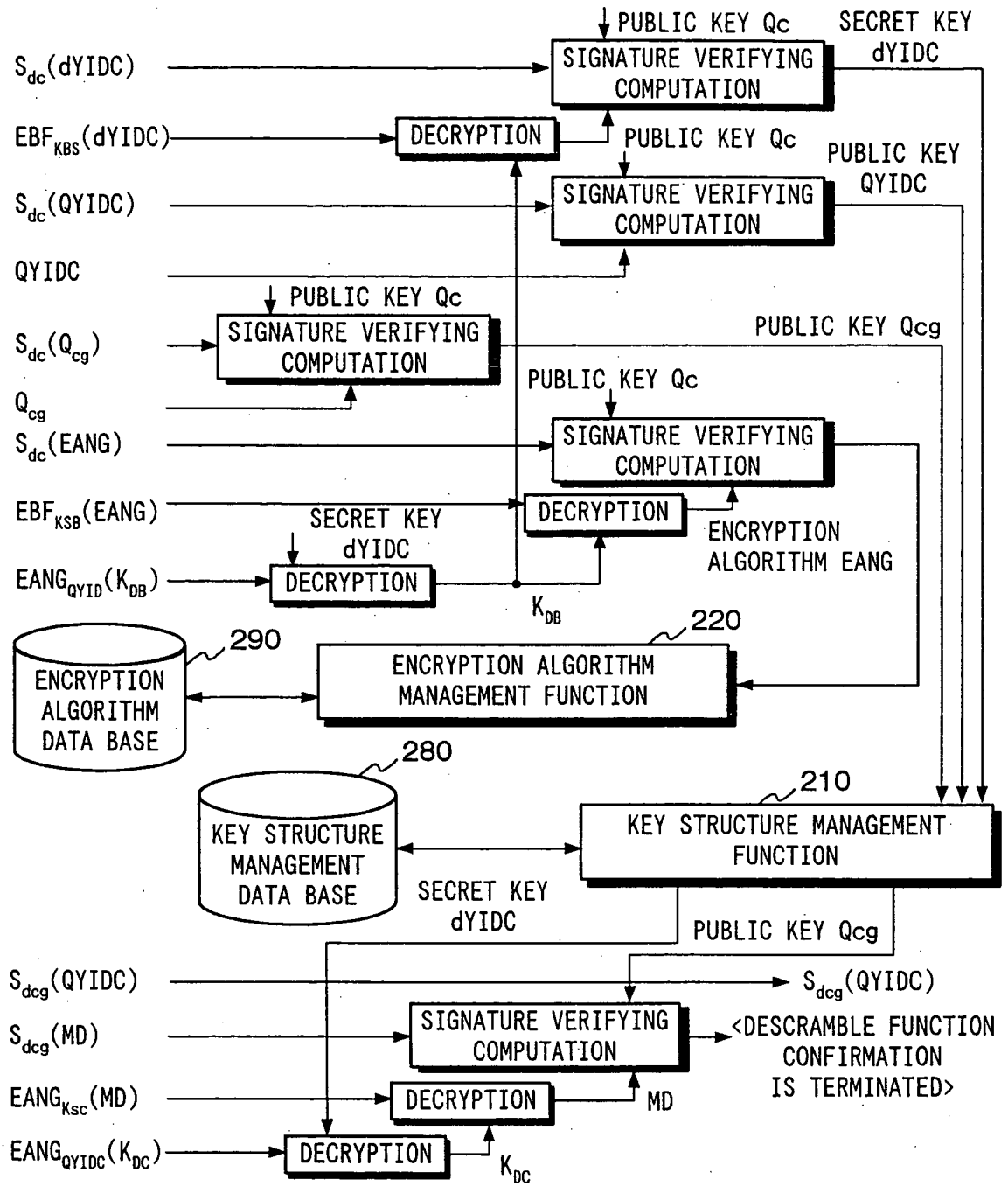


FIG. 15

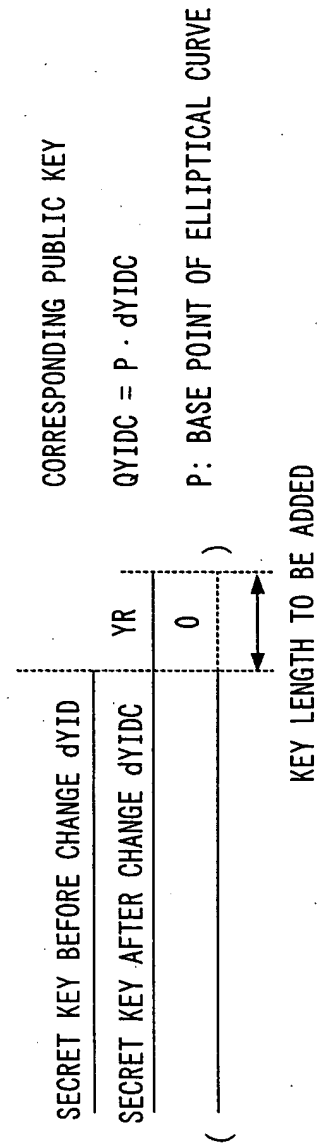


FIG. 16

(CRYPTOGRAPHIC COMMUNICATION SYSTEM BASED ON PUBLIC KEY ENCRYPTION ALGORITHM)

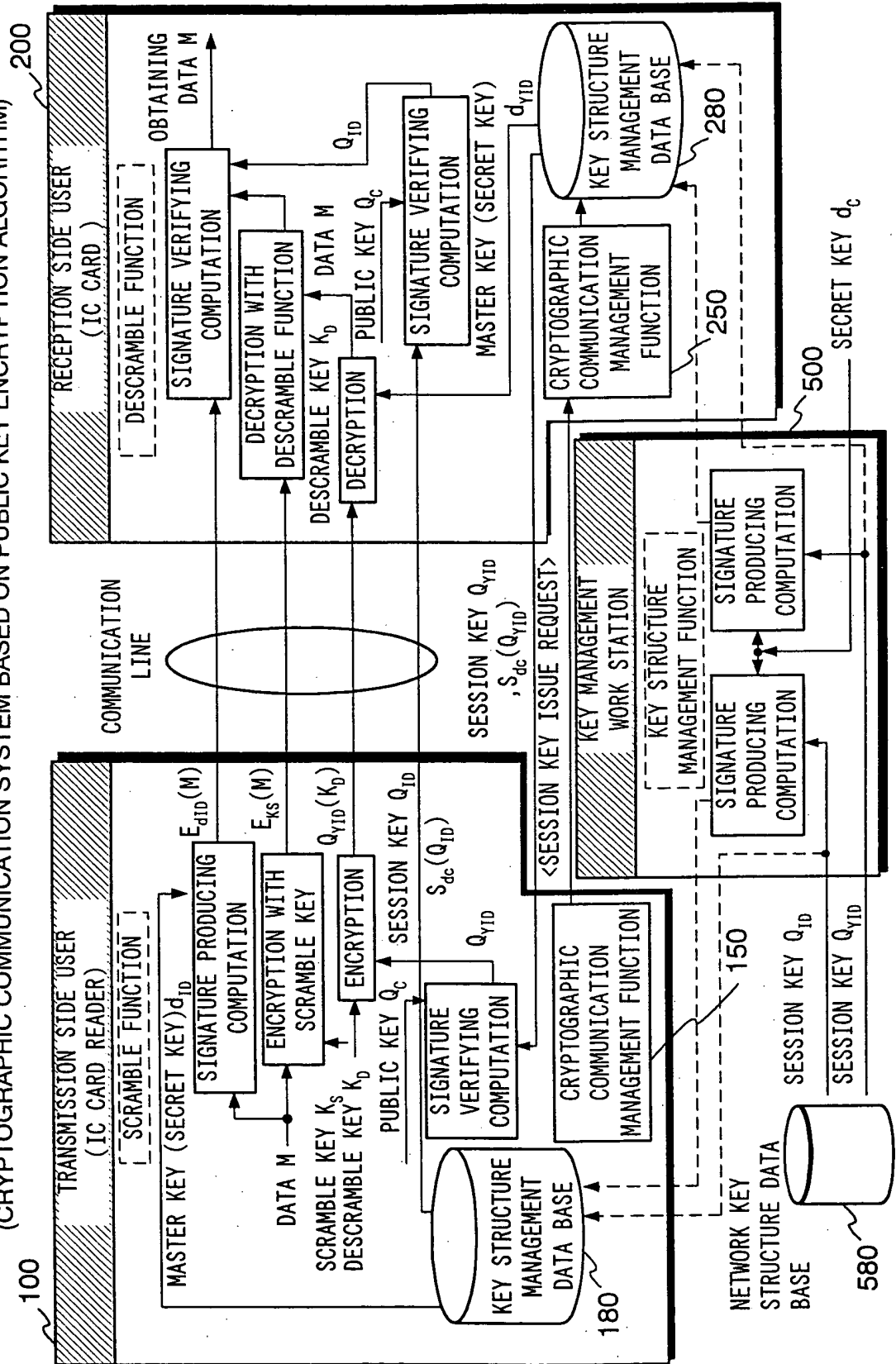


FIG. 18

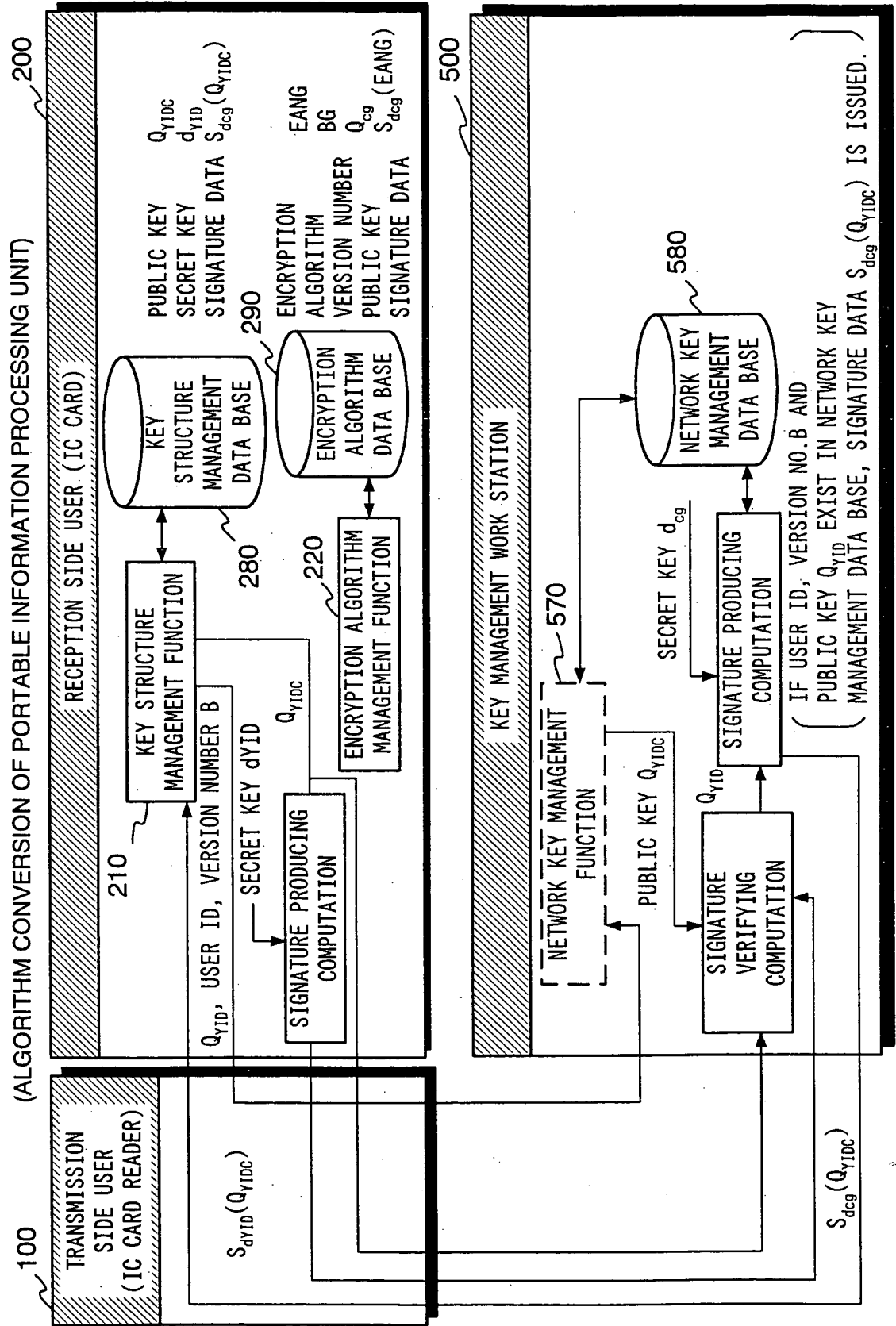


FIG. 21

(CRYPTOGRAPHIC COMMUNICATION SYSTEM WITH PUBLIC KEY ENCRYPTION ALGORITHM)

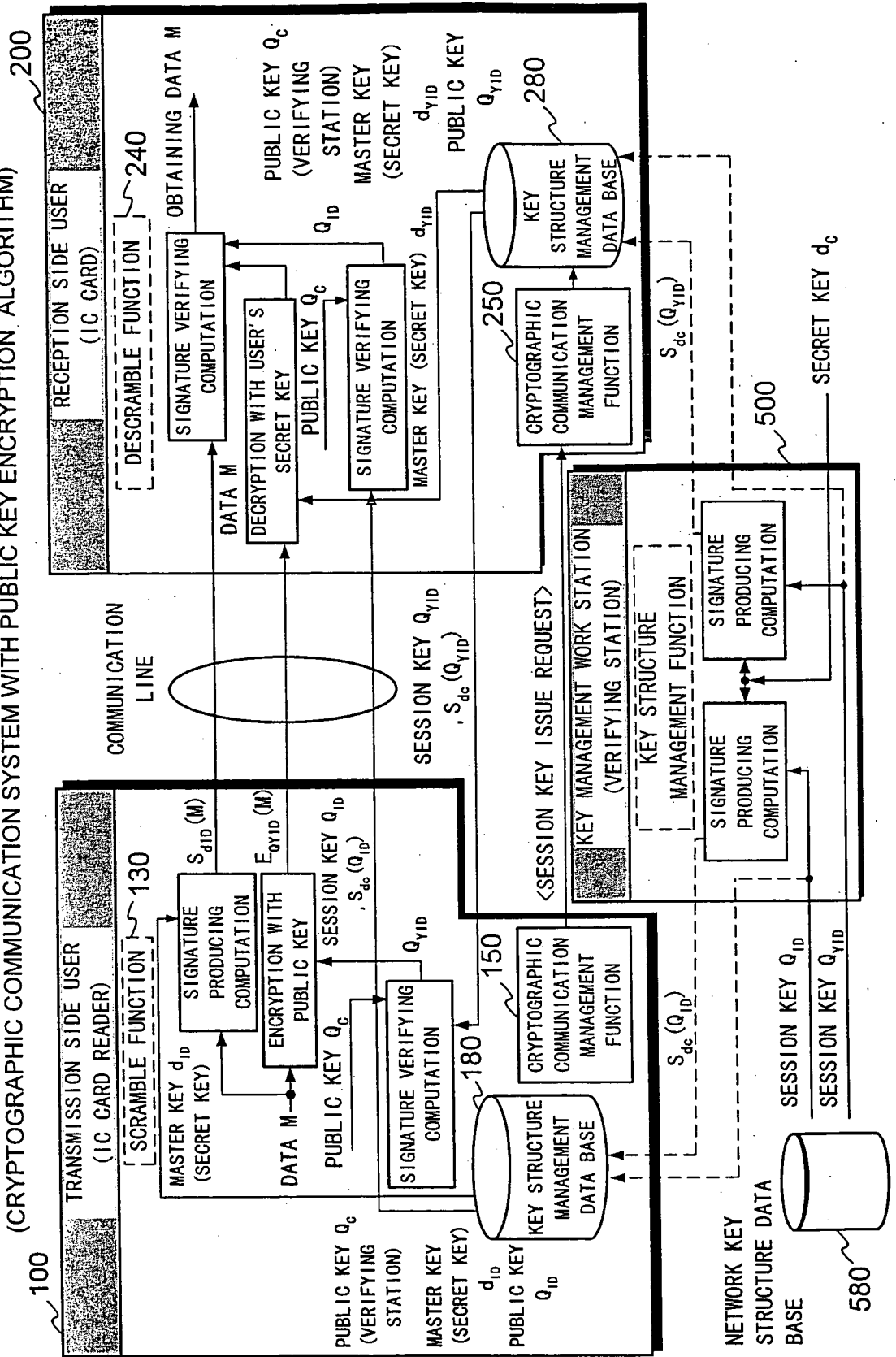


FIG. 22
(NETWORK COMMUNICATION SYSTEM
IN WHICH A PLURALITY OF ENCRYPTION ALGORITHMS EXIST)

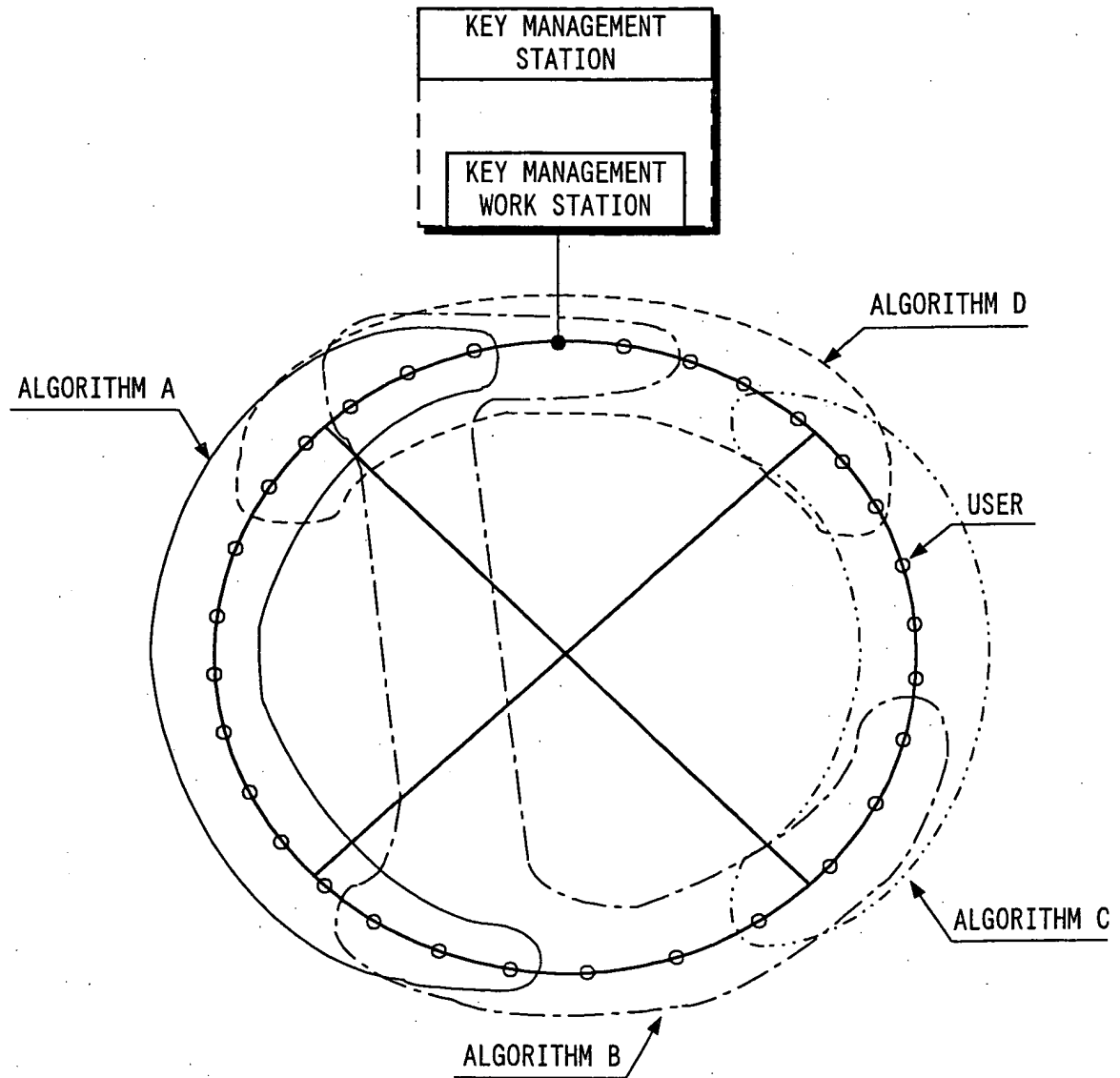


FIG. 23

(KEY RECOVERY FUNCTION (ENCRYPTION))

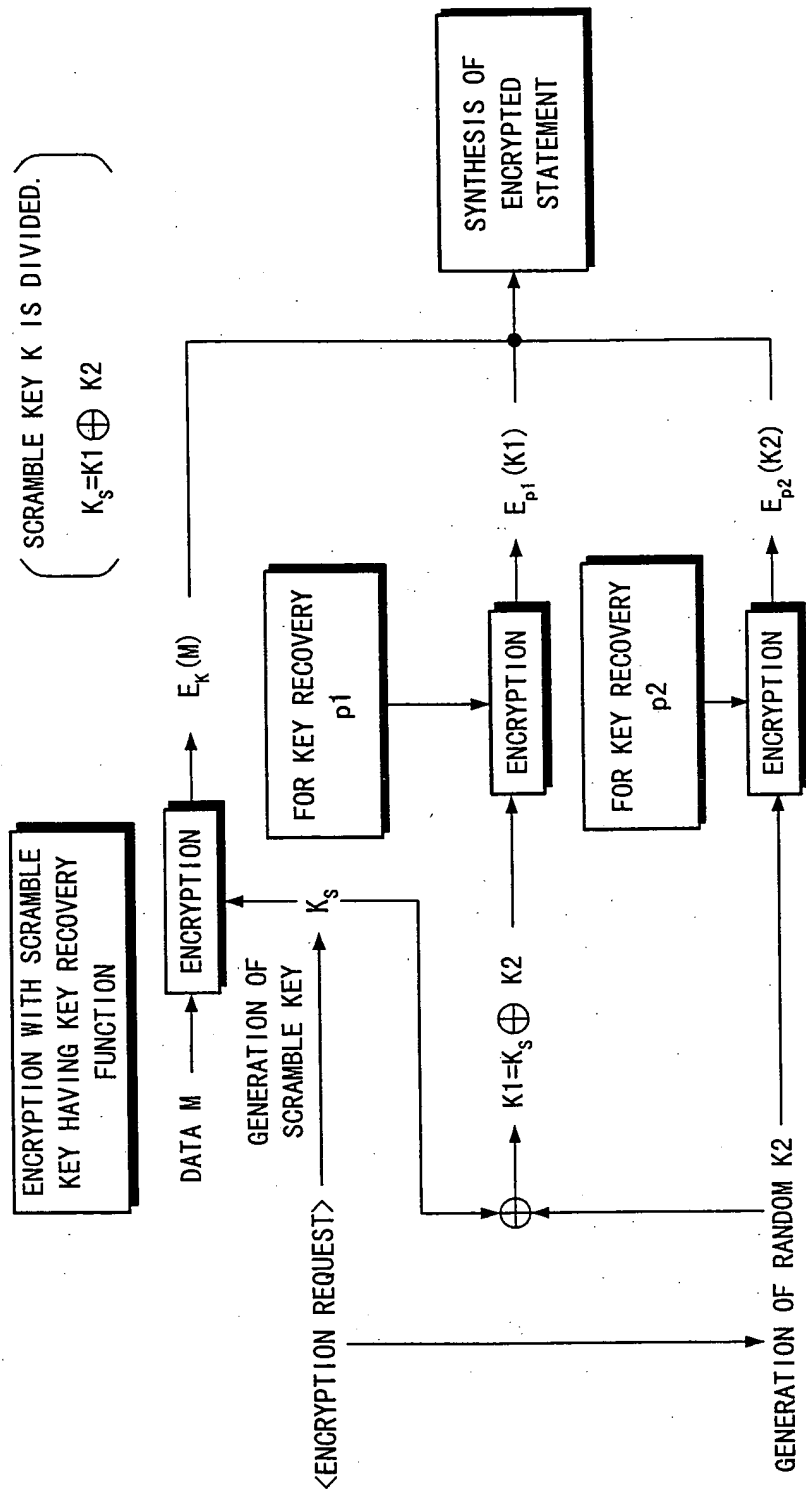


FIG. 24

(KEY RECOVERY FUNCTION (DECRYPTION))

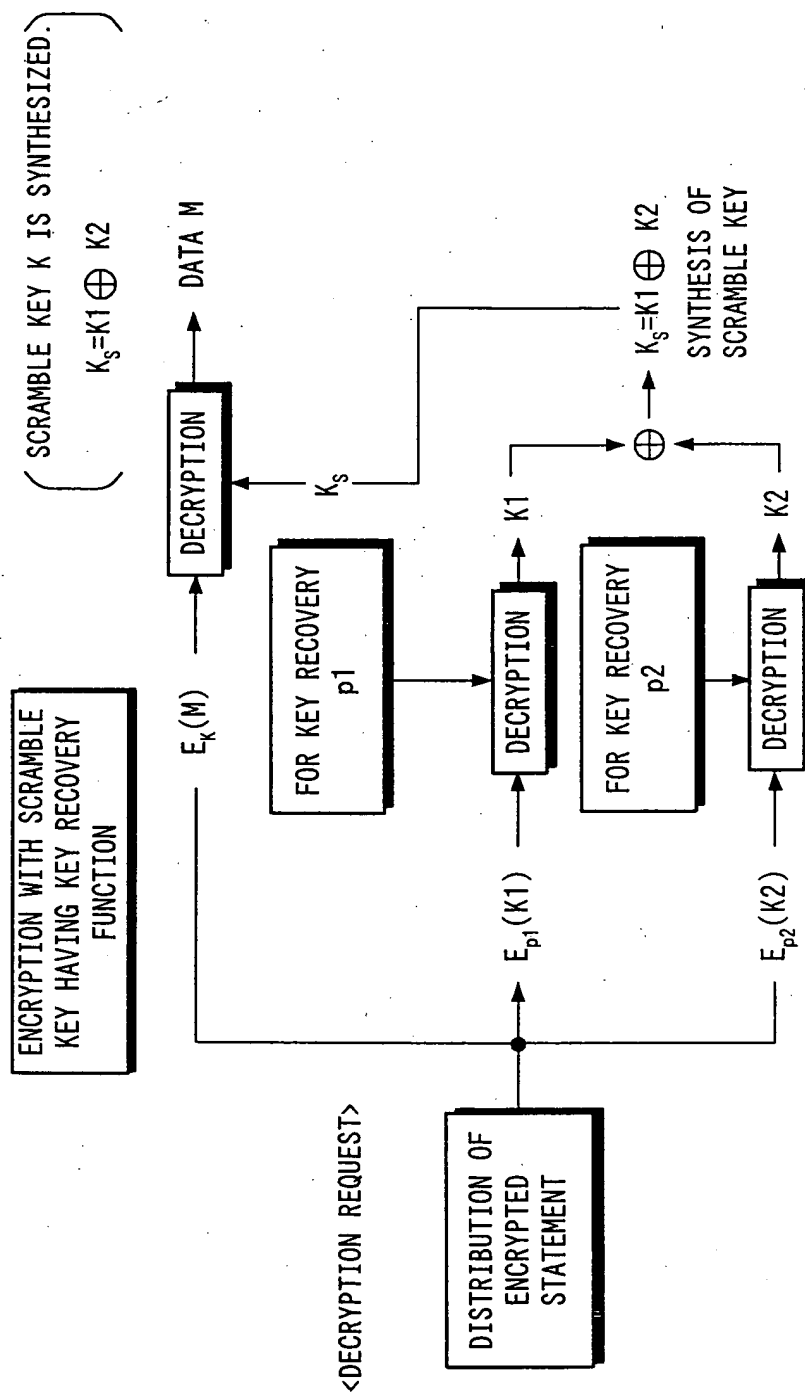


FIG. 25 (IC CARD ALGORITHM CONVERSION)

